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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s)      Wen-Tien Chen      Examiner:      Unassigned  
Serial No.:      09/823,277      Group Art Unit:      1645  
Filed:      March 30, 2001      Docket:      178-295 CIP  
For:      COMPOSITIONS AND  
METHODS FOR INHIBITION  
OF CANCER INVASION AND  
ANGIOGENESIS

Assistant Commissioner for Patents  
Washington, DC 20231

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*Signature: Nicole Ropries*

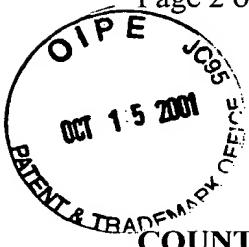
**INFORMATION DISCLOSURE STATEMENT**

Sir:

In order to fulfill the requirements of candor and good faith set forth in 37 C.F.R. §1.56, Applicants submit herewith the following Information Disclosure Statement in accordance with the provisions of 37 C.F.R. §1.97 and §1.98.

**UNITED STATES PATENTS**

<u>PATENTEE</u>	<u>PATENT NO.</u>	<u>ISSUE DATE</u>
Yamada et al.	5,092,885	March 3, 1992
Chen	5,221,622	June 22, 1993
Hirth	5,942,385	August 24, 1999
Hellstrom et al.	5,980,896	November 9, 1999



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**FOREIGN PATENT DOCUMENTS**

**COUNTRY**

**PUBLICATION NO.**

**PUBLICATION DATE**

PCT WO 96/38550

December 5, 1996

**NON-PATENT PUBLICATIONS**

1. J. Heins, P. Welker, Chr. Schönlein, I. Born, B. Hartrodt, K. Neubert, D. Tsuru and A. Barth, "Mechanism of proline-specific proteinases: (I) substrate specificity of dipeptidyl peptidase IV from pig kidney and proline-specific endopeptidase from *Flavobacterium meningosepticum*," *Biochimica et Biophysica Acta* (1988) 954:161-169.
2. Wen-Tien Chen and Jaw-Yuan Wang, "Specialized Surface Protrusions of Invasive Cells, Invadopodia and Lamellipodia, Have Differential MT1-MMP, MMP-2, and TIMP-2 Localization," *Annals of the New York Acad. Of Sciences* (1999) 878: 361-371.
3. Susette C. Mueller, Giulio Ghersi, Steven K. Akiyama, Qing-Xiang Amy Sang, Linda Howard, Mayra Pineiro-Sanchez, Hirokazu Nakahara, Yunyun Yeh, and Wen-Tien Chen, "A Novel Protease-docking Function of Integrin at Invadopodia", *The Journal of Biological Chemistry* (1999) 274/35: 24947-24952.
4. Donald Ingber and Judah Folkman, "Inhibition of Angiogenesis Through Modulation of Collagen Metabolism," *Laboratory Investigation*. (1988) 59/1: 44-51.
5. Marsha A. Moses, Judith Sudhalter, Robert Langer, "Identification of an Inhibitor of Neovascularization from Cartilage," *Science*, 248: 1408-1410.
6. Christine H. Blood and Bruce R. Zetter, "Tumor interactions with the vasculature: angiogenesis and tumor metastasis," *Biochimica et Biophysica Acta* (1990) 1032: 89-118.
7. Leslie A. Goldstein and Wen-Tien Chen, "Identification of an Alternatively Spliced Seprase mRNA That Encodes a Novel Intracellular Isoform," *The Journal of Biological Chemistry* (2000) 275/4: 2554-2559.
8. Wanda Auerbach and Robert Auerbach, "Angiogenesis Inhibition: A Review," *Pharmac. Ther.* (1994) 63: 265-311.

9. Rakesh K. Jain, "Vascular and interstitial barriers to delivery of therapeutic agents in tumors," *Cancer and Metastasis Reviews* (1990) 9: 253-266.
10. Sally S. Seaver, Ph.D., "Monoclonal Antibodies in Industry: More Difficult Than Originally Thought," *Genetic Engineering News* (1994) 14/14: 10 and 21.
11. William J. Harris and Steven Emery, "Therapeutic antibodies – the coming of age," *Trends in Biotechnology* (1993) 11: 42-44.
12. Trisha Gura "Systems for Identifying New Drugs Are Often Faulty," *Science* (1997) 278: 1041-1042.
13. Eryl Liddell and Ian Weeks "Antibody Technology" *Bios Scientific Publishers* (1995) 23-44.
14. Sabine Hartel-Schenk, Nikolaus Loch, Martin Zimmermann and Werner Reutter, "Development of monoclonal antibodies against different protein and carbohydrate epitopes of dipeptidyl peptidase IV from rat liver plasma membranes," *Eur. J. Biochem* (1991) 196: 349-355.
15. Dirk Reinhold, Ute Bank, Frank Bühling, Klaus Neubert, Taila Mattern, Artur Jochen Ulmer, Hans-Dieter Flad, and Siegfried Ansorge, "Dipeptidyl Peptidase IV (CD26) on Human Lymphocytes. Synthetic Inhibitors of and Antibodies against Dipeptidyl Peptidase IV Suppress the Proliferation of Pokeweed Mitogen-Stimulated Peripheral Blood Mononuclear Cells, and IL-2 and IL-6 Production," *Immunobiology* (1993) 188: 403-414.
16. J.J. Van Den Oord, "Expression of CD26/dipeptidyl-peptidase IV in benign and malignant pigment-cell lesions of the skin," *British Journal of Dermatology* (1998) 138: 615-621.
17. Hung-Chi Cheng, Mossaad Abdel-Ghany, Randolph C. Elble, and Bendicht U. Pauli, "Lung Endothelial Dipeptidyl Peptidase IV Promotes Adhesion and Metastasis of Rat Breast Cancer Cells via Tumor Cell Surface-associated Fibronectin," *The Journal of Biological Chemistry* (1998) 273/37: 24207-24215.
18. T. Mattern, A. C. Feller, B. Kniep, H. -D. Flad, and A. J. Ulmer, "Comparative studies on three monoclonal antibodies (anti DPPIV, anti Ta1, IOT15) recognizing antigens clustered in CDw26," *Immunobiology* (1988) 178(1/2): 110, Abstract H.12.

The above-referenced documents are listed on PTO Form 1449. We have enclosed the cited documents to facilitate reference to them.

Applicants are not aware of any other references to be identified at this time. If the Examiner has any questions or comments relating to the present application, he or she is respectfully invited to contact Applicants' attorney at the telephone number set forth below.

Respectfully submitted,



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s)	Wen-Tien Chen	Examiner:	Unassigned
Serial No.:	09/823,277	Group Art Unit:	1645
Filed:	March 30, 2001	Docket:	178-295 CIP
For:	COMPOSITIONS AND METHODS FOR INHIBITION OF CANCER INVASION AND ANGIOGENESIS	Dated:	October 10, 2001

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20231 on October 10, 2001  
Dated: 10-10-01, via C.R. paper

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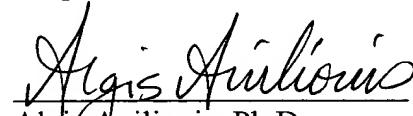
Sir:

Enclosed herewith are the following:

1. Information Disclosure Statement with PTO Form 1449; and
2. Copies of cited references.

If any fees are due or an overpayment has been made, please charge our Deposit Account No. 08-2461 or credit our Deposit Account for such sum. A duplicate copy of this sheet is enclosed for that purpose.

Respectfully submitted,

  
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